

Title (en)

METHOD AND SYSTEM FOR AUTOMATICALLY MANAGING ENERGY TAKEN ON BOARD BY AN ELECTRIC VEHICLE

Title (de)

VERFAHREN UND SYSTEM ZUR AUTOMATISCHEN STEUERUNG DER DURCH EIN ELEKTROFAHRZEUG GELADENEN ENERGIE

Title (fr)

PROCÉDÉ ET SYSTÈME DE GESTION AUTOMATIQUE DE L'ÉNERGIE EMBARQUÉE PAR UN VÉHICULE ÉLECTRIQUE

Publication

EP 3495195 B1 20200617 (FR)

Application

EP 18211058 A 20181207

Priority

FR 1761752 A 20171207

Abstract (en)

[origin: CN109895655A] The invention relates to a method and system for managing automatically the energy stored by an electric vehicle. This method for automatically managing the energy stored by an electric vehicle for a mission over an interstation between departure and arrival stations, consists of: providing characteristics of the mission, which comprise a reference speed profile over segments subdividing the interstation; evaluating a current position and speed of the vehicle; estimating a cruising speed of the vehicle over the segments remaining to be traveled, based on the reference speed profile, the current speed and position; calculating a total anticipated energy (Emis-prev) as estimate of the energy to be consumed to reach the arrival recharge station, based on the current position, estimated cruising speeds and an auxiliary power supplied to passenger comfort devices; determining an available stored energy (Eemb-dis) as energy stored by the vehicle in the current position; and displaying the total anticipated energy and the available stored energy.

IPC 8 full level

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CPC (source: EP IL)

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Cited by

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